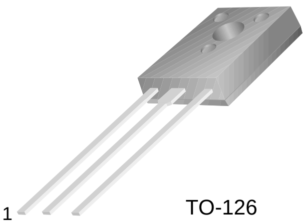
FAIRCHILD
SEMICONDUCTOR ™

MJE350

High Voltage General Purpose Applications

- High Collector-Emitter Breakdown Voltage
- Suitable for Transformer
- Complement to MJE340



TO-126

1. Emitter 2.Collector 3.Base

..PNP Epitaxial Silicon Transistor

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V_{CBO}	Collector-Base Voltage	- 300	V
V_{CEO}	Collector-Emitter Voltage	- 300	V
V_{EBO}	Emitter-Base Voltage	- 5	V
I_C	Collector Current	- 500	mA
P_C	Collector Dissipation (T_C=25°C)	20	W
T_J	Junction Temperature	150	°C
T_{STG}	Storage Temperature	- 65 ~ 150	°C

Electrical Characteristics T_C=25°C unless otherwise noted

Symbol	Parameter	Test Condition	Min.	Max.	Units
BV_{CEO}	Collector-Emitter Breakdown Voltage	I_C = - 1mA, I_B = 0	-300		V
I_{CBO}	Collector Cut-off Current	V_{CB} = - 300V, I_E = 0		-100	µA
I_{EBO}	Emitter Cut-off Current	V_{BE} = - 3V, I_C = 0		-100	µA
h_{FE}	DC Current Gain	V_{CE} = - 10V, I_C = - 50mA	30	240	

Typical Characteristics

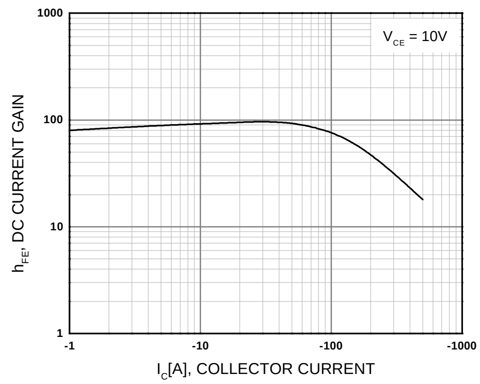


Figure 1. DC current Gain

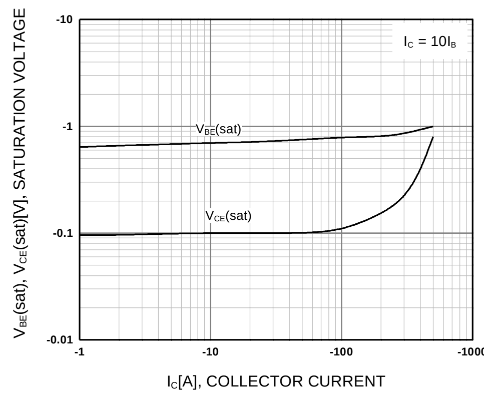


Figure 2. Base-Emitter Saturation Voltage Collector-Emitter Saturation Voltage

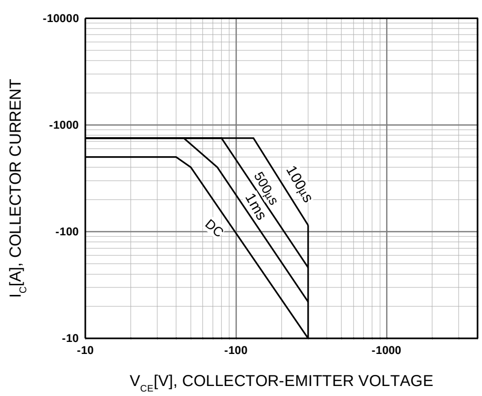


Figure 3. Safe Operating Area

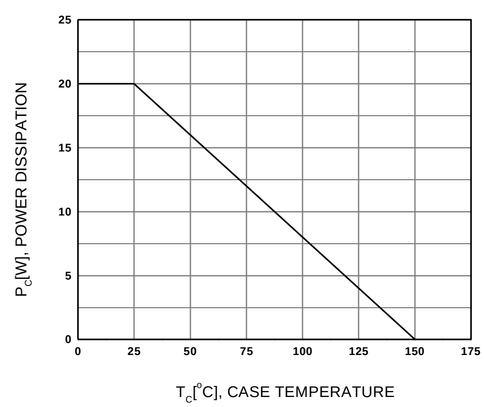
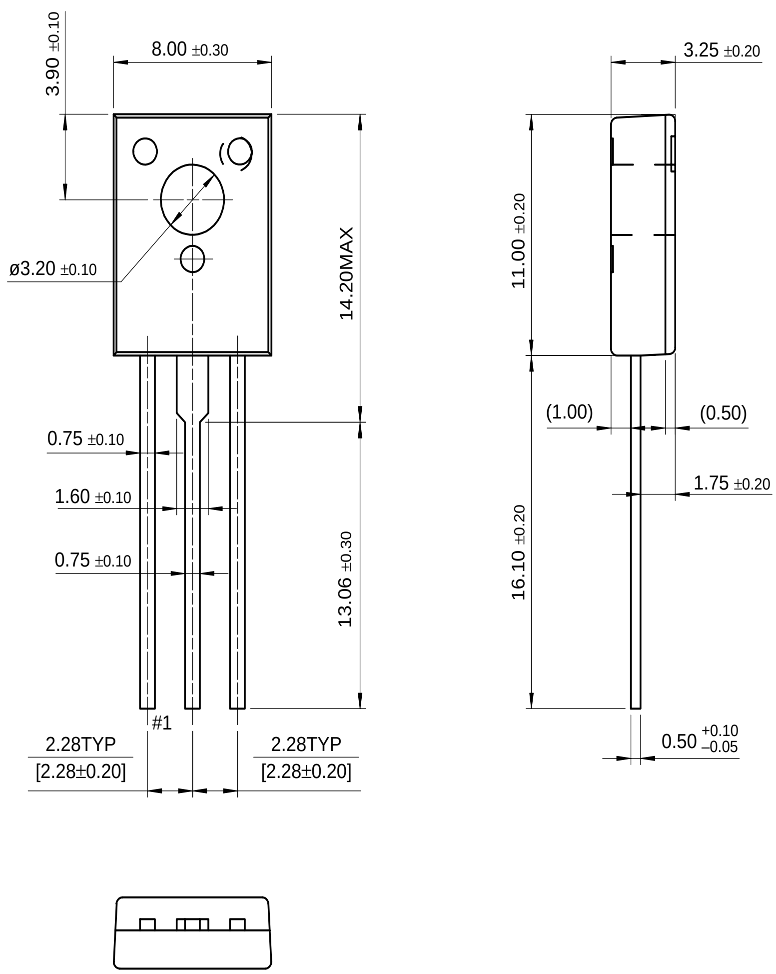


Figure 4. Power Derating

Package Demensions

TO-126



Dimensions in Millimeters

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DOME™	ISOPLANAR™	Quiet Series™	
E^2CMOS™	MICROWIRE™	LILENT SWITCHER®	
EnSigna™	OPTOLOGIC™	SMART START™	
FACT™	OPTOPLANAR™	SuperSOT™-3	
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